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(54) Title: **ENZYME-BASED MONITORING DEVICE FOR THE THERMAL PROCESSING OF OBJECTS**

(57) Abstract: This invention provides an enzyme-based monitoring device for monitoring the thermal impact of thermal processing on an object. The device comprises a sealed container enclosing a solid dehydrated mix comprising at least one enzyme and at least one first filler, sealing of the sealed container being obtained by means of at least one moisture vapor barrier. The invention is applicable to monitoring the thermal processing of an object within a temperature range from about 60°C to 160°C, e.g. under pasteurization or sterilization conditions.

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